

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 40 (PULASKI HIGHWAY) AND MD 7 (DELAWARE RD) IN CECIL COUNTY. THE MODIFICATION WILL ADD VIDEO DETECTION EQUIPMENT AND UPGRADE PASSAGE DETECTION. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA 5 PHASE, FULLY-ACTUATED MODE WITH PROTECTED/PERMISSIVE LEFT TURN PHASING ON THE EASTBOUND US 40 APPROACH. MD 7 & DRIVEWAY OPERATE CONCURRENTLY. A VIDEO DETECTION INTERFACE SHALL BE INSTALLED INTO THE CABINET BY SHA FORCES.

CONTACTS

DISTRICT (DISTRICT 2)

MR. TERRY WRIGHT  
DISTRICT ENGINEER  
410-810-3210

MR. JEFF WENTZ  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
410-810-3240

MR. BARRY CLOTHIER  
DISTRICT UTILITY ENGINEER  
410-810-3275

MR. WM NORRIS EMBERT  
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION  
410-810-3270

MR. MIKE LEWIS  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
410-810-3250

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.  
CHIEF, TRAFFIC OPERATIONS  
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MR. ROBERT SNYDER  
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MR. EDWARD RODENHIZER  
CHIEF, SIGNAL OPERATIONS SECTION  
410-787-7650

MR. EUGENE BAILEY  
CHIEF, SIGN OPERATIONS SECTION  
410-787-7670

MR. MICHAEL STOCKER  
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)  
410-787-7696

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

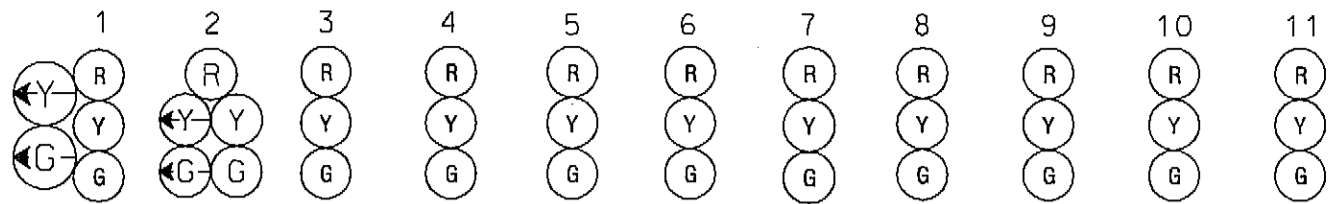
ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EA	[UPDATED] 4 CHANNEL DETECTOR AMPLIFIER
9086	1 EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8022	4 EA	NONINVASIVE DETECTOR (ANY LENGTH) LEAD-IN CABLE UP TO 1000'
8028	3 EA	VIDEO DETECTION CAMERA AND CABLE ANY LENGTH
8036	130 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED
8038	120 LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8046	4 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE

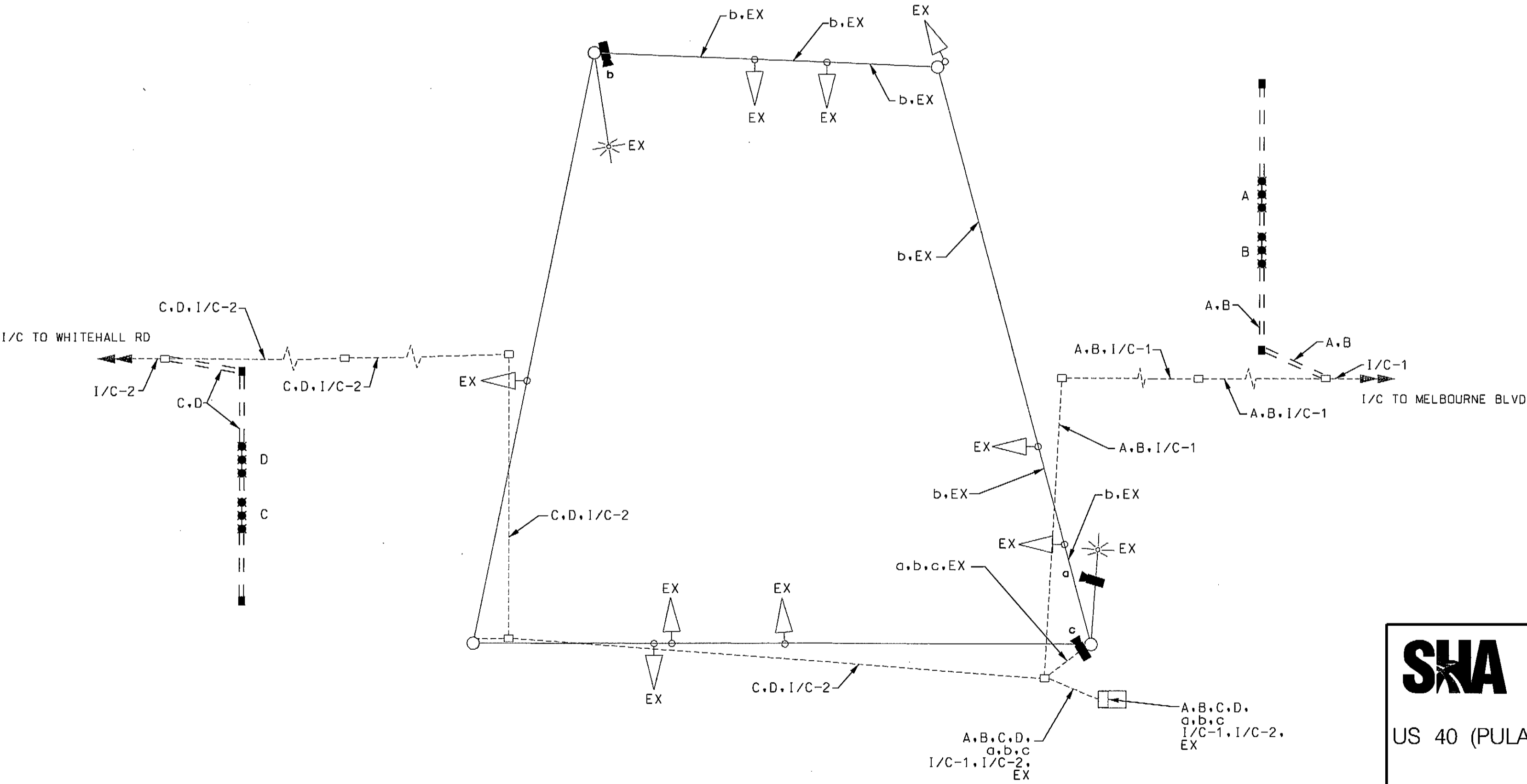
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATIONS.

PHASE CHART



PHASE 1 & 6	←G-/G	←C-/G	G	R	R	R	R	R	R	R	R
1 & 6 CHANGE	←G-/Y	←C-/Y	G	R	R	G	R	R	R	R	R
PHASE 2 & 6	G	G	G	G	G	R	R	R	R	R	R
2 & 6 CHANGE	Y	Y	Y	Y	Y	R	R	R	R	R	R
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	G	G
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A.B.C.D - MICROLOOP PROBE LEAD-IN CABLE
- a.b.c - VIDEO DETECTION LEAD-IN CABLE
- I/C-1, I/C-2 - EXISTING INTERCONNECT CABLE
- EX - EXISTING SIGNAL CABLE

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
US 40 (PULASKI HWY) AT MD 7 (DELAWARE AVE)  
ELKTON, MD

GENERAL INFORMATION SHEET

SCALE	N.T.S.	DATE	03-07-2012	CONTRACT NO.	XX6615185
DESIGNED BY	MAW	COUNTY	CECIL		
DRAWN BY	MAW	LOGMILE	07004016.22		
CHECKED BY	MF	TIMS NO.	L198		
F.A.P. NO.		TOD NO.			
TS NO. 266E-GI	DRAWING	SG-02	OF 02	SHEET NO.	06 OF 08

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